## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/2777

		PC170301/27773		
A. CLASSIFICATION OF SUBJECT MATTER				
IPC(7)	: F16D 65/38, 65/40			
US CL	: 188/73.36, 73.38	-tit-le-iG-stitIDG		
	International Patent Classification (IPC) or to both n DS SEARCHED	ational classification and IPC		
	cumentation searched (classification system followed 88/73.36, 73.38, 73.35, 73.37	by classification symbols)		
Documentation	on searched other than minimum documentation to the	extent that such documents are include	d in the fields searched	
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Electronic da	ta base consulted during the international search (nan	ne of data base and, where practicable, s	earch terms used)	
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.	
х	US 5,829,555 A (Anda et al) 3 November 1998 (3.1	1.1998), figure 1	1-3, 5, 8-9	
у			4, 6-7, 10-12	
x	US 4,491,204 A (Dirauf et al) 1 January 1985 (1.01	.1985), Figure 1	1-12	
x	US 4,669,583 A (Mery) 2 June 1987 (2.6.1987), fig	gure 2	1-12	
x	US 5,069,313 A (Kato et al) 3 December 1991 (3.12	2.1991), figure 4	1-12	
x	US 5,069,314 A (Madzgalla et al) 3 December 1991	i (3.12.1991), figure 1	1-12	
x	US 5,310,024 A (Takagi) 10 May 1994 (10.05.1994), figure 3		1-12	
x	GB 2,178,807 B (Automotive Products plc) 18 February 1987 (18.02.1987), figure 1		1-12	
x	US 5,549,181 A (Evans) 27 August 1996 (27.08.19	96), figure 2	1-12	
Further	documents are listed in the continuation of Box C.	See patent family annex.		
• s	pecial categories of cited documents:	"T" later document published after the inte date and not in conflict with the applie		
"A" document defining the general state of the art which is not considered to be of particular relevance		principle or theory underlying the invention		
"E" earlier application or patent published on or after the international filing date "X" document of particular relevance; the considered novel or cannot be considered novel or cannot b				
	t which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y" document of particular relevance; the considered to involve an inventive ate	p when the document is	
"O" document	t referring to an oral disclosure, use, exhibition or other means	combined with one or more other suc being obvious to a person skilled in th		
"P" document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed			family	
Date of the actual completion of the international search  Date of mailing of the international search report				
	002 (30.01.2002)	14 MAR 2002		
Name and mailing address of the ISA/US  Authorized officer				
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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/27775

tegory •	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
x	US 5,472,067 A (Fujiwara) 5 December 1995 (5.12.1995), figure 1	1-12
x	US 5,330,035 A (Klimt et al) 19 July 1994 (19.07.1994), figure 5	1-12
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